



CW460 6X4

CG460 8X4



ENGINE

ENGINE

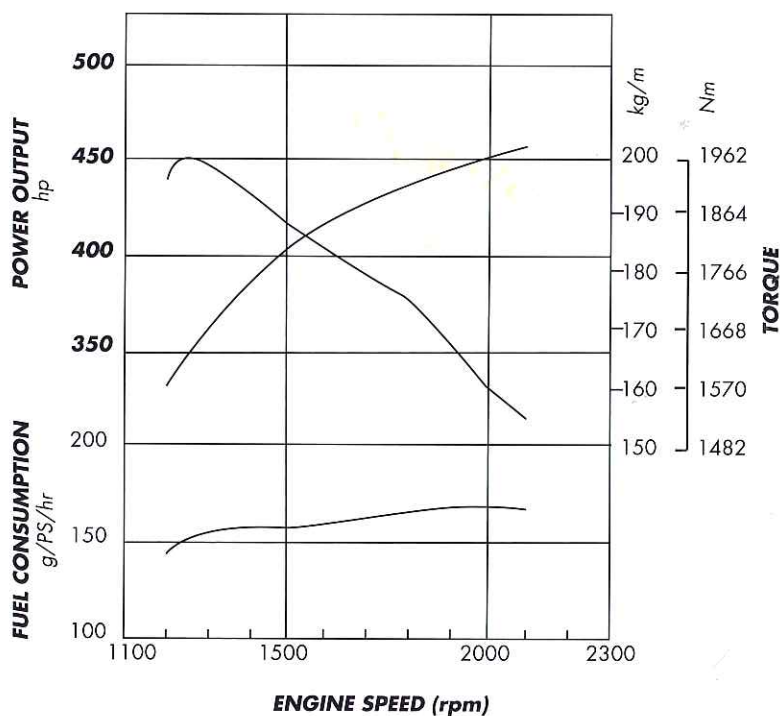
Nissan Diesel: RF8TA/2
 Type: 4 stroke direct injection turbocharged intercooled
 Displacement: 16991cc, 8 cylinder 'V' formation
 Bore and stroke: 138mm x 142mm
 Maximum output: 460hp (343kW) at 2100rpm
 Maximum torque: 1450 lb ft (1966Nm) at 1300rpm
 Compression ratio: 16.1:1
 Oil sump capacity: 34 litres
 Oil filtration by: Full flow and bypass paper elements
 Air Cleaner: Replaceable paper element
 Standard Air intake: Snorkel type at rear of cab

EXHAUST SYSTEM

Horizontal or vertical to customer specifications.

ENGINE COOLING SYSTEM

Radiator: Corrugated fin type
 Pump: Centrifugal
 Header Tank: Expansion type fitted with side window level gauge
 Temperature control: Wax pellet type thermostat
 Lubricating oil: Oil cooler fitted.
 Fan: Mounted on viscous hub



DRIVELINE

CLUTCH

Make: Nissan Diesel
 Type: Twin plate
 Clutch diameter 380 mm (15 inch)
 Lining Area: 682 cm² x 4
 Clutch operation: Booster assisted

REAR AXLE

Choice of Nissan Diesel, Rockwell or Spicer.*

GEARBOX

Choice of Eaton Fuller 13, 15, 18 speed types
 Nissan Diesel 12 speed Synchronesh*.

* Refer manufacturers specification data for details.

ELECTRICAL & FUEL

ELECTRICAL EQUIPMENT

System: 24 volt negative earth
Batteries: 2 x 12 V 120 Amp-hour
Starter Motor: 24V 7kW (reduction type)
Alternator: 24V 60 Amp
Driving Lights: Single quartz-halogen incorporating dip and beam
Fog Lights: Yellow

FUEL SYSTEM

Alloy fuel tank capacity: 400 litres
Injector pump: Bosch "P" type in line plunger
Force lubricated by engine oil from engine gallery
Injectors: Multi hole flange type nozzle.
Governor: All speed RFD

CHASSIS

CHASSIS

Type: Ladder channel section side rails
Dimension: 300 x 90 x 8mm.
Inner Skins and reinforcing to suit individual specification.
Material: 55 kg/mm² tensile steel.

SUSPENSION

Front: 9 Leaf spring 90mm wide and 1550mm long. Spring constant 32kg/mm per spring
Rear: Choice of Nissan Diesel 6 rod, Henrickson air and rubber, Reyco air and Chalmers. Refer manufacturers specification.

BRAKES

All vehicles comply with NZHVBC.
Service Dual line full air, spring brakes fitted to rear axles.
Front: Nissan Diesel using asymmetric "S" cams.
Lining dimensions width 150mm, length 207mm, area 310cm²/ wheel
Rear: Depends on type specified. Refer manufacturers specifications.
Auxiliary brakes: Twin Exhaust standard.
Electro magnetic retarder optional.

FRONT AXLE (S)

Model: Nissan Diesel F6NC
Type: Drop forged "I" beam.
Rating: 6500 kg (each)

STEERING

Type: Integral power assisted re-circulating ball steering box.
Reduction ratio: 22.76:1
Steering Wheel: 480 mm Diameter moulded polyurethane grip.
Steering Column: Tilts 8 degrees fore/aft and telescopes 60mm.
Lockable
Turning Circle Diameter:
6x4: 4260 mm wheelbase 14.25 metres
6x4: 5365 mm wheelbase 17.6 metres
8x4: 4975 mm wheelbase 19.0 metres

ROAD WHEELS

Pressed steel disc wheels 13 mm thick 8.25 x 22.5
ISO 335mm PCD 10 stud with 165mm offset.

TYRES

Bridgestone 11R22.5 steel belted radials to M840 pattern.
FOC option Bridgestone 275/70R 22.5 or 255/70R 22.5 low profiles.

CAB

CAB INTERIOR

Drivers seat: Cloth trimmed Isringhausen suspension seat with adjustments for height, recline, fore/aft, suspension stiffness and lumbar support.
Passengers seat: One cloth trimmed fixed seat with recline and headrest adjustment.
Storage: 2 Overhead trays, glove box, centre console, coin tray, drawer under passenger seat.
Heater: Push button electric control with 4 speed fan. Heater system incorporates 25 vents.
Ventilation: Quarter windows in both doors and through heater system.
Control Switches: Two stalk controls which incorporate:-
(a) Turn signal switch, lighting switch
(b) Wiper/washer switch, exhaust brake switch, hazard warning switch.
Windscreen wipers: Three arm dual speed with variable intermittent operation.
Windscreen washers: Tank capacity 4 litres, two twin nozzle jets.
Sun visor: driver and passenger.
Ash Tray: Both doors and centre of dash.
Floor Covering: Vinyl
Electric Windows
Central Locking
Security Alarm
Audio System: Alpine high power radio cassette

GAUGES

Instrument Gauges: Fuel, water temperature, oil pressure, voltage, dual air pressure, tachometer, speedometer, trip recorder.

WARNING DEVICES

Warning Lamps for: Induction heater, exhaust brake, high beam, direction indicators, park brake, low air pressure, low water, alternator charging, low oil pressure, inter axle diff lock, low clutch fluid.
Warning lamps have a separate breakage check system Audible
Warning Devices Include:
Reversing buzzer, low water, low air, over revving, cab tilt.

EXTERIOR

Type: Steel construction suspended forward control
Mounting: 4 Coil spring assemblies incorporating shock absorbers.
Tilting: Electric
Windscreen: Laminated bronze tinted glass.
Front Panel: Hinged for easy checking of engine oil, clutch oil and air conditioner gas.
Mirrors: flat western type
Under bumper air dam
Side deflectors
Head lamp covers

OPTIONAL EXTRAS

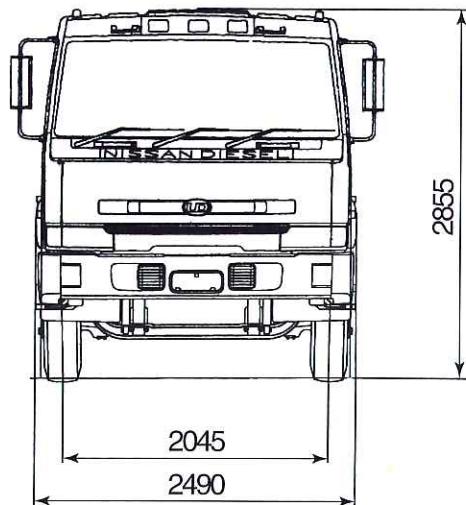
Air conditioning
CD Player

Cab rood deflector
Tyre inflator

Alternative tyres
Speed Limited

THIS SPECIFICATION SHEET APPLIES TO VEHICLES SUPPLIED BY NISSAN DIESEL
NEW ZEALAND LTD FOR THE NEW ZEALAND MARKET FROM AUGUST 1998.
In accordance with Nissan Diesel Motor Co Ltd policy of continuous improvement,
the right is reserved to change specifications without notice.

DIMENSIONS & PERFORMANCE



THEORETICAL PERFORMANCE

Performance characteristics will vary with specification. Detailed below are examples fitted with a Fuller RT14915 transmission and Nissan Diesel rear axles and suspension. Two final drive ratios are shown. Calculations based on max engine speed of 2300rpm, with 11R 22.5 tyres and M840 tread.

CW460	6x4	GVM	26000 kg	GCM	55000 kg
CG 460	8x4	GVM	30500 kg	GCM	55000 kg

Ratio	3.727	4.111
Max Speed	116km/hr	106km/hr

Gradeability: Calculated in first gear on a paved road with a GCM of 44,000kg

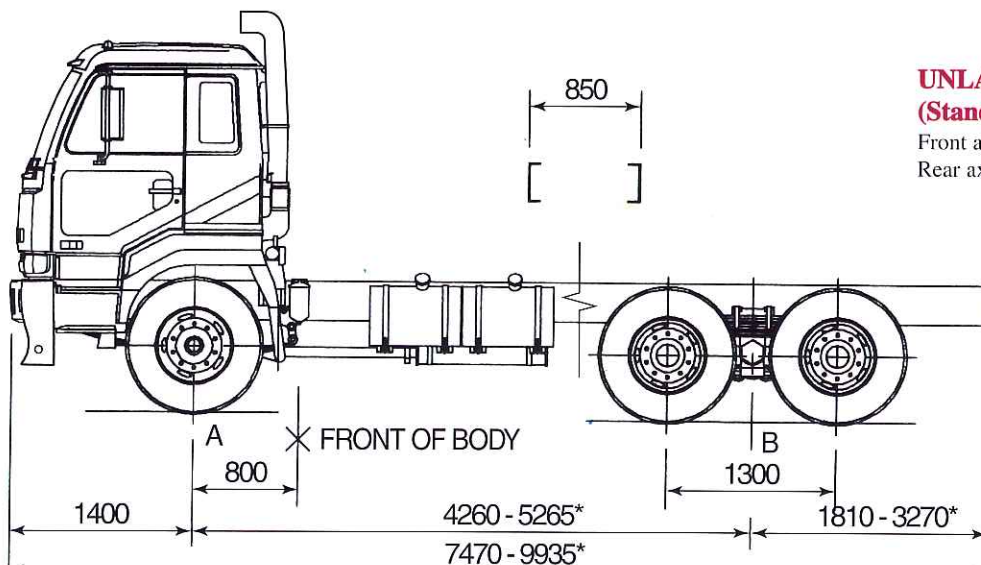
Sin	0.4546	0.5029
Angle	27°02	30°12

CAB & CHASSIS WEIGHTS:

	FRONT	REAR	TOTAL
CW460**			
CG460***			

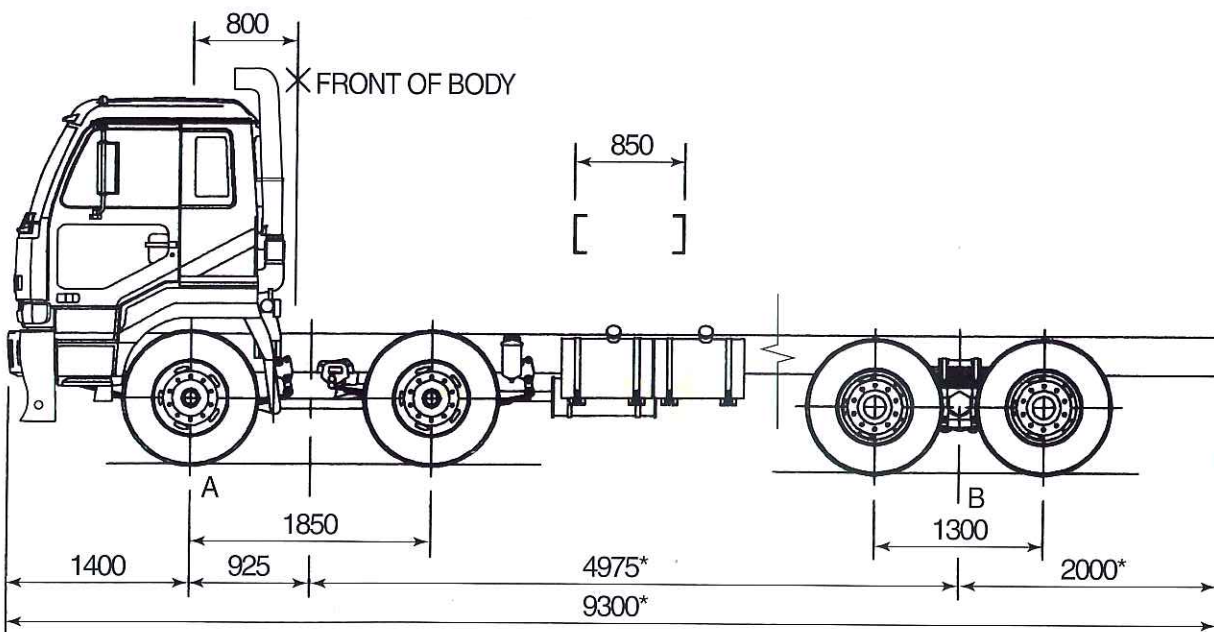
**4260mm Wheel Base

***4975mm Wheel Base



UNLADEN CHASSIS HEIGHTS (Standard Build)

Front axle "A":	1028mm
Rear axle "B":	1095mm



*Recommended standard dimensions. Variations possible